



Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
31171Serial No.  
07/979,270

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant  
David L. FOSNAUGHFiling Date  
11/20/92Group  
~~3204~~ 3724

## U.S. PATENT DOCUMENTS

*Examiner Initials	Document #	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	1,916,379	07/1933	LELAND			
	2,386,147	10/1945	SIDEBOTHAM			
	3,107,566	10/1963	ARCHER			
	1,992,962	03/1935	MURCH			
	2,302,571	11/17/42	RAY			
	2,329,392	09/14/43	CRANE			
	2,552,109	05/08/51	NAHMAN			
	2,489,977	11/29/49	PORTER			

## FOREIGN PATENT DOCUMENTS

*Examiner Initials	Document #	Publication Date	Country	Class	Subclass	Translation	
						Yes	No
	DE3218132	11/17/83	GERMANY			X	
	DE3012319	10/08/81	GERMANY				
	724,588	02/23/55	UNITED KINGDOM				
	1 334 094	10/17/73	UNITED KINGDOM				
	0 251 628	01/07/88	EPO				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	EDITOR: DAVID A. SMITH; TITLE: <u>DIE DESIGN HANDBOOK</u> ; Title page and pages 16-11, 16-14 and 16-16; Third Edition; Publication Date Unknown
	Werkstatt und Betrieb; Author: Von-Heinz-Kuckenburg; Title: <u>STANZEREITECHNIK</u> ; Date: 1961; Pages: 159-61 (English translation: pages 72 and 73 attached)
	American Machinist; Author: Emil Loeffel; Title: <u>SEGMENTED RINGS - SAVE STRIP</u> ; Date: April 1, 1963; Pages: 96-99

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2/25/04

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	2,943,966	07/05/60	LENO ET AL.			
	2,975,312	03/14/61	FLORAN			
	3,002,263	10/03/61	FEINBERG ET AL.			
	3,010,185	11/28/61	HUME			
	3,022,480	02/20/62	TIFFANY			
	3,181,402	05/04/65	KUCK ET AL.			
	3,213,727	10/26/65	SCHWENNESEN			
	3,559,136	01/26/71	SPECHT ET AL.			
	3,786,710	01/22/74	BACKLIN			
	3,834,013	09/10/74	GERSTLE			
	3,842,493	10/22/74	OHUCHI ET AL.			
	3,983,621	10/05/76	DONAHOO			
	4,072,039	02/07/78	NAKANISHI			
	4,110,895	09/05/78	MITSUMI			
	4,536,952	08/27/85	SHINRYO ET AL.			

## FOREIGN PATENT DOCUMENTS

*Examiner Initials	Document #	Publication Date	Country	Class	Subclass	Translation	
						Yes	No
	0 133 858	03/13/85	EPO				
	0 133 859	03/13/85	EPO				
	WO88/02286	04/07/88	PCT				
	AUS1652940	09/12/74	GERMANY			X	
	1 042 441	10/30/58	GERMANY				

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## U.S. PATENT DOCUMENTS

*Examiner Initials	Document #	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	4,538,345	09/03/85	DIEDERICHS ✓			
	4,578,853	04/01/86	WURTH ✓			
	4,692,972	09/15/87	SCHULTES ✓			
	4,748,732	06/07/88	SCHULTES ✓			
	4,751,417	06/14/88	KRINICKAS JR. ET AL ✓			
	4,619,028	10/28/86	NEUENSCHWANDER ✓			
	4,904,539	02/27/90	KLING ET AL. ✓			
	4,285,754	08/25/91	DIMATTEO			

## FOREIGN PATENT DOCUMENTS

*Examiner Initials	Document #	Publication Date	Country	Class	Subclass	Translation	
						Yes	No
	133 849	03/28/01	GERMANY				
	189 200	05/01/37	SWITZERLAND				
	PATENT 1652940	04/30/75	GERMANY ✓			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

n	Articles authored by George KEREMEDJIEV in the publication "Metal Forming" in the following issues: October 1988; April 1989; June 1989; July 1989; September 1989.
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## U.S. PATENT DOCUMENTS

*Examiner Initials	Document #	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
	3,338,084	08/29/67	STEGMAN, SR.			
<i>h</i>	1,818,150	08/11/31	MURCH	—	—	
	1,916,379	07/04/33	LELAND			
<i>h</i>	1,962,431	06/12/34	DALEY	—	—	
<i>h</i>	2,386,147	10/02/45	SIDEBOTHAM	—	—	
<i>h</i>	2,429,500	10/21/47	WOLFNER-2D	—	—	
<i>h</i>	2,880,539	04/07/59	FRENKEL ET AL.	—	—	
<i>h</i>	2,986,254	05/30/61	BORKE	—	—	
<i>h</i>	3,055,246	09/25/62	STEINBERG	—	—	
<i>h</i>	3,110,831	11/12/63	ZIMMERLE	—	—	
<i>h</i>	3,124,026	03/10/64	LOEFFEL	—	—	
<i>h</i>	3,175,277	03/30/65	BROWN ET AL.	—	—	
<i>h</i>	3,289,507	12/06/66	GREWE	—	—	
<i>h</i>	3,628,367	12/21/71	WIIG	—	—	
<i>h</i>	3,739,968	06/19/73	BODENDOERFER	—	—	
<i>h</i>	3,823,460	07/16/74	BERGMANN	—	—	
<i>h</i>	4,046,040	09/06/77	BOURDO	—	—	
<i>h</i>	4,110,895	09/05/78	MITSUMI	—	—	

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		Applicant <b>David L. FOSNAUGH</b>
		Filing Date <b>11/20/92</b>
		Group <b>3204 3724</b>

**U.S. PATENT DOCUMENTS**

*Examiner Initials	Document #	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
A	4,149,309	04/17/79	MITSUMI	—	—	
A	4,287,797	09/08/81	SERAGNOLI	—	—	
u	4,318,320	03/09/82	DAVIS	—	—	
u	4,349,997	09/21/82	HAYASAKA ET AL.	—	—	
u	4,524,507	06/25/85	HARA ET AL.	—	—	
<del>already considered</del>	<del>4,578,853</del>	<del>04/01/86</del>	<del>WURTH</del>			
u	4,586,236	05/06/86	JONES	—	—	
u	4,597,168	07/01/86	OBOSHI ET AL.	—	—	
<del>already considered</del>	<del>4,619,028</del>	<del>10/28/86</del>	<del>NEUENSCHWANDER</del>			
u	4,624,162	11/25/86	ARNOLD	—	—	
u	4,641,828	02/10/87	YAJIMA	—	—	
u	4,696,212	09/29/87	TOKUNO ET AL.	—	—	
u	4,845,832	07/11/89	MARTIN ET AL.	—	—	
u	4,993,290	02/19/91	OBRADOVIC	—	—	
u	4,998,430	03/12/91	HOWE	—	—	
u	5,163,217	11/17/92	SAKANISHI	—	—	
u	3,854,359	12/17/74	TAGAMI	—	—	

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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 30226	Serial No. 07/699,479
<b>INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)		Applicant David L. Fosnaugh	
		Filing Date May 13, 1991	Group <del>3204</del> 3724

## U.S. PATENT DOCUMENTS

*Examiner Initials	Document #	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
h	4,906,809	03/06/90	Workman	—	—	

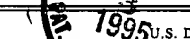
## FOREIGN PATENT DOCUMENTS

*Examiner Initials	Document #	Publication Date	Country	Class	Subclass	Translation	
						Yes	No
h	855976		South Africa	—	—		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

h		Undated brochure from Ceara Engineering, Limited (Northern Ireland) entitled "Syncrosine-Wavelength Correction For Register Control of Scroll-Slit Metal In Fixed Feed Length Progression Tools" (eight pages).
h		Undated "Outline Specification" (three pages) and layouts (four pages) from Ceara Engineering, Limited (Northern Ireland) relating to Syncrosine System.
h		"Syncrosine With Mechanical Servo Correction" (one double-sided page) and layout (one page) from Ceara Engineering, Limited (Northern Ireland).
h		Undated letter from Jock Workman of Ceara Engineering, Limited received by the attorneys for Applicant Fosnaugh on October 18, 1993 (one page).
h		Undated Syncrosine cover sheets from Ceara Engineering, Limited received by the attorneys for Applicant Fosnaugh on October 18, 1993 (three pages).

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Form PTO-1449  <div style="text-align: center;">  </div>  <div style="text-align: center;"> <b>INFORMATION DISCLOSURE STATEMENT</b> </div>  <div style="text-align: center;"> <i>(Use several sheets if necessary)</i> </div>	Atty. Docket No. <b>30226</b>	Serial No. <b>07/699,479</b>
	Applicant <b>David L. Fosnaugh</b>	
	Filing Date <b>May 13, 1991</b>	Group <del>3204</del> <b>3724</b>

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*Examiner Initials	Document #	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
h	3,388,582	06/18/68	Wesstrom			

## FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

[illegible]

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		Filing Date May 13, 1991	Group 3204 37 24

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## FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document #	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
		Patentschrift 1652940		Germany			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


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